
Subject: Re: [PATCH] Simplify memory controller and resource counter I/O
Posted by [Paul Menage](#) on Fri, 05 Oct 2007 03:54:07 GMT
[View Forum Message](#) <> [Reply to Message](#)

On 10/4/07, Balbir Singh <balbir@linux.vnet.ibm.com> wrote:

> Paul Menage wrote:

> > On 10/4/07, Balbir Singh <balbir@linux.vnet.ibm.com> wrote:

> >> Forbidding writing to the root resource counter is a policy decision

> >> I am unable to make up my mind about. It sounds right, but unless

> >> we have a notion of unlimited resources, I am a bit concerned about

> >> taking away this flexibility.

> >

> > One big reason for doing this is to make virtualization easier - if

> > you expect not to be able to write to your root cgroup's limits files,

> > then it's easier to make them non-writeable for a virtual server.

> >

>

> Can't we handle that through file system permissions? virtual servers

> will not run as root

They'll probably run as root in their own user namespace if at all.

But that's the point - if userspace in general expects root cgroup

limits to not be writeable (the same way that root cpusets

cpus/mems_allowed files aren't writeable) then virtual servers will

break less.

>

> But system administrators deal with memory in MB and GB. When you go

> to buy memory, you don't specify, I need 1 << 30 or 2^30 bytes of

> memory :-). Most administrators track their memory using these

> quantifiers.

OK, so maybe we should just fold a call to memparse() into

cgroup_write_uint()? Then we could use the plain write_uint() method in
the control file?

>

> >> Do read_uint() and write_uint(), just read and write unsigned

> >> integers?

> >

> > Correct.

> >

>

> Oops.. that would be problem, what if I wanted to set my limit to

> unsigned long long max?

Sorry, I wasn't getting your point about the sizing. No, they're u64
values. (And I guess could be changed to unsigned long long if people

preferred).

Paul

Containers mailing list

Containers@lists.linux-foundation.org

<https://lists.linux-foundation.org/mailman/listinfo/containers>
